User Guide

DSL-N55U

Dual-band Wi-Fi ADSL Modem Router

The ultra-thin and stylish DSL-N55U features a 2.4GHz and 5GHz dual bands for an unmatched concurrent wireless HD streaming; SMB server, UPnP AV server, and FTP server for 24/7 file sharing; a capability to handle 300,000 sessions; and the ASUS Green Network Technology, which provides up to 70% power-saving solution.

ASUS®

Inspiring Innovation • Persistent Perfection

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First Edition
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1 A quick look

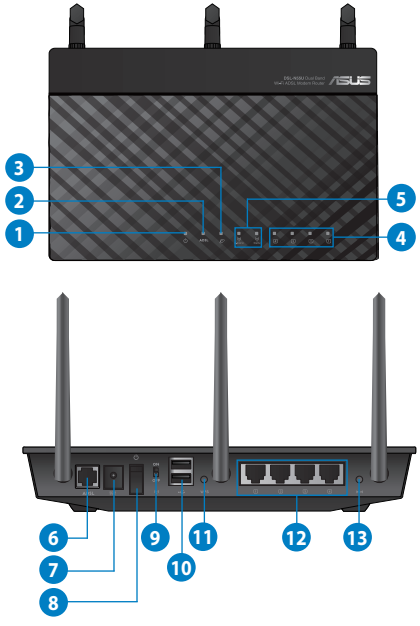
Package contents

- ☑ DSL-N55U
- ☑ Network cable
- ☑ AC adapter
- ☑ Phone cable
- ☑ Warranty card
- ☑ Quick Start Guide
- ☑ Support CD (User Manual/utilities)
- ☑ Splitter (varies with regions)

NOTES:

- If any of the items is damaged or missing, contact ASUS for technical inquiries and support, Refer to the ASUS Support Hotline list at the back of this user manual.
- Keep the original packaging material in case you would need future warranty services such as repair or replacement.

Your ADSL router



1	**Power LED** **Off:** No power. **On:** Device is ready. **Flashing slow:** Rescue mode **Flashing quick:** WPS is processing.
2	**ADSL LED** **Solid light:** ADSL link is established. **Flashing:** No ADSL link or unable to establish ADSL link.
3	**WAN LED** **Off:** No power or no physical connection. **On:** Has physical connection to a wide area network (WAN).
4	**LAN LED** **Off:** No power or no physical connection. **On:** Has physical connection to a local area network (LAN).
5	**2.4GHz LED & 5GHz LEDs** **Off:** No 2.4GHz or 5GHz signal. **On:** Wireless system is ready. **Flashing:** Transmitting or receiving data via wireless connection.
6	**ADSL port** Connect to a splitter or to a telephone outlet via an RJ-11 cable.
7	**Power (DC-In) port** Insert the bundled AC adapter into this port and connect your router to a power source.
8	**Power switch** Press this button to turn the power on/off.
9	**Wi-Fi switch** Switch to turn the WiFi feature on/off.
10	**USB 2.0 / USB 1.1 ports** Insert USB 2.0/USB 1.1 devices such as USB hard disks or USB flash drives into these ports. Insert your iPad's USB cable into one of these ports to charge your iPad. Insert your printer's USB cable into one of these ports to set up your network printer. For details, refer to the section **Setting up your network printer**.
11	**WPS button** This button launches the WPS Push Button Configuration process.
12	**LAN 1 ~ 4 ports** Connect network cables into these ports to establish LAN connection.
13	**Reset button** This button resets or restores the system to its factory default settings.

NOTES:

- Use only the adapter that came with your package. Using other adapters may damage the device.
- **Specifications:**

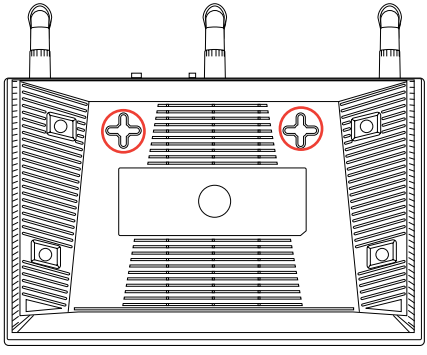
DC Power adapter	**DC Input**: +19V with max 1.58A current		
Operating Temperature	0~40°C	**Storage**	0~70°C
Operating Humidity	50~90%	**Storage**	20~90%

Mounting options

Out of the box, the ASUS ADSL router is designed to sit on a raised flat surface like a file cabinet or book shelf. The unit may also be converted for mounting to a wall or ceiling.

To mount the ASUS ADSL router:

1. Look on the underside for the two mounting hooks.
2. Mark two upper holes in a flat surface.
3. Tighten two ST3.5*40 screws until only 1/4″ is showing.
4. Latch the hooks of your ADSL router onto the ST3.5*40 screws.



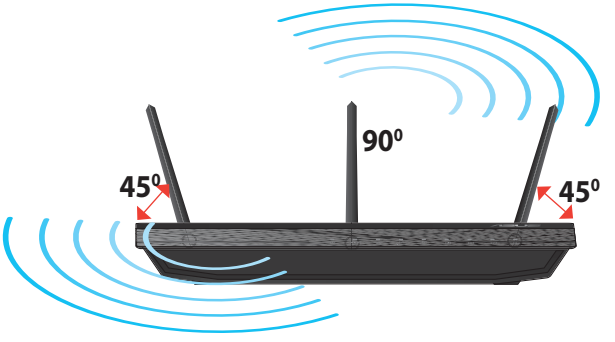
NOTE: Re-adjust the ST3.5*40 screws if you cannot latch DSL-N55U onto the ST3.5*40 screws or if it is too loose.

2 Creating your network

Positioning your router

For the best wireless signal transmission between the ADSL router and the network devices connected to it, ensure that you:

- Place the ADSL router in a centralized area for a maximum wireless coverage for the network devices.
- Keep the device away from metal obstructions and away from direct sunlight.
- Keep the device away from 802.11g or 20MHz only Wi-Fi devices, 2.4GHz computer peripherals, Bluetooth devices, cordless phones, transformers, heavy-duty motors, fluorescent lights, microwave ovens, refrigerators, and other industrial equipment to prevent signal interference or loss.
- Always update to the latest firmware. Visit the ASUS website at **http://www.asus.com** to get the latest firmware updates.
- To ensure the best wireless signal, orient the three detachable antennas as shown in the drawing below.



What you need

To set up your network, you need one or two computers that meet the following system requirements:

- Ethernet RJ-45 (LAN) port (10Base-T/100Base-TX/1000BaseTX)
- IEEE 802.11a/b/g/n wireless capability
- An installed TCP/IP service
- Web browser such as Internet Explorer, Firefox, Safari, or Google Chrome

NOTES:

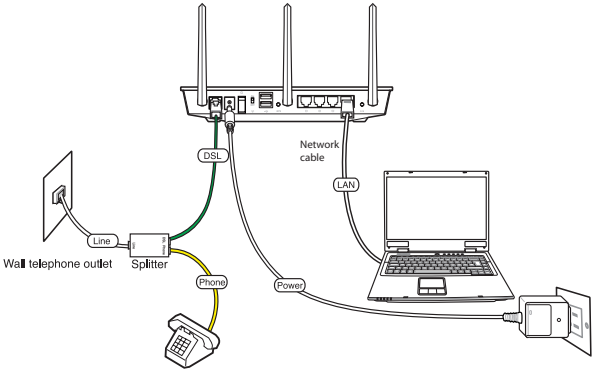
- If your computer does not have built-in wireless capabilities, you may install an IEEE 802.11a/b/g/n WLAN adapter to your computer to connect to the network.
- With its dual band technology, your ADSL router supports 2.4GHz and 5GHz wireless signals simultaneously. This allows you to do Internet-related activities such as Internet surfing or reading/writing e-mail messages using the 2.4GHz band while simultaneously streaming high-definition audio/video files such as movies or music using the 5GHz band.
- If you are using only one computer with single band IEEE 802.11b/g/n WLAN adapter, you will only be able to use the 2.4GHz band.
- If you are using only one computer with dual band IEEE 802.11a/b/g/n WLAN adapter, you will be able to use the 2.4GHz or 5GHz band.
- If you are using two computers with both IEEE 802.11a/b/g/n WLAN adapters, you will be able to use both 2.4GHz and 5GHz bands simultaneously.
- The Ethernet RJ-45 cables that will be used to connect the network devices should not exceed 100 meters.

Connecting your devices

IMPORTANT!

- Use wired connection in setting up your ADSL router to avoid possible setup problems due to wireless uncertainty.
- Before setting up your DSL-N55U, do the following:
  - Disconnect the cables/wires from your existing modem setup. If your modem has a backup battery, remove it as well.
  - Reboot your computer (recommended).

Wired connection



To set up your ADSL router via wired connection:

1. Insert the splitter's line connector to the phone outlet and connect your phone into the phone port.
2. Using the bundled phone cable, connect your DSL N55U's ADSL port to the splitter's DSL port.
3. Using the bundled network cable, connect your computer to the ADSL router's LAN port.

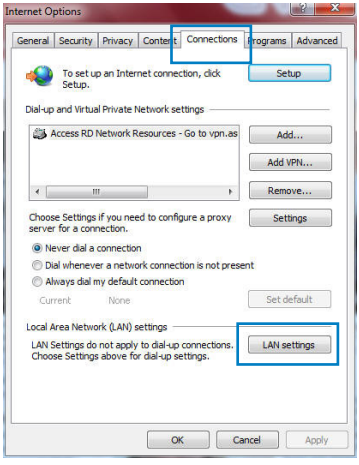
Before you proceed

NOTE: Before configuring your DSL-N55U, do the steps described in this section for your host computer and network clients.

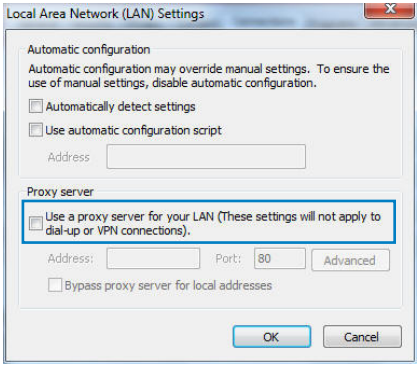
Disable the proxy server, if enabled.

Windows® 7

1. Click **Start** > **Internet Explorer** to launch the browser.
2. Click **Tools** > **Internet options** > **Connections** tab > **LAN settings**.

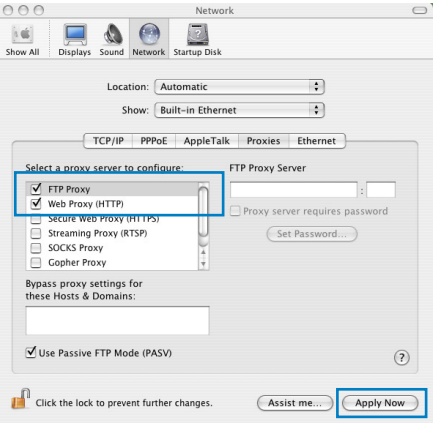


3. From the Local Area Network (LAN) Settings screen, untick **Use a proxy server for your LAN**.
4. Click **OK** when done.


Local Area Network (LAN) Settings
Automatic configuration
Automatic configuration may override manual settings. To ensure the use of manual settings, disable automatic configuration.
Automatically detect settings
Use automatic configuration script
Address
Proxy server
Use a proxy server for your LAN (These settings will not apply to dial-up or VPN connections).
Address:
Port:
80
Advanced
Bypass proxy server for local addresses
OK
Cancel

MAC OS

1. From your Safari browser, click **Safari** > **Preferences** > **Advanced** > **Change Settings...**
2. From the Network screen, deselect **FTP Proxy** and **Web Proxy (HTTP)**.
3. Cllick **Apply Now** when done.

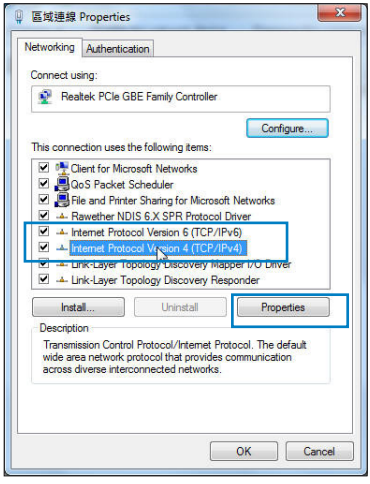


NOTE: Refer to your browser's help feature for details on disabling the proxy server.

Set the TCP/IP settings to automatically obtain an IP address.

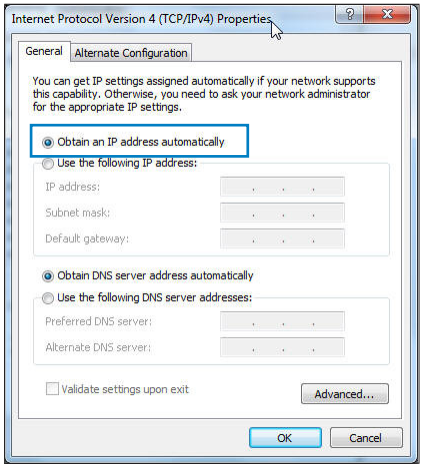
Windows® 7

1. Click **Start** > **Control Panel** > **Network and Internet** > **Network and Sharing Center** > **Manage network connections.**
2. Select **Internet Protocol Version 4 (TCP/IPv4)** or **Internet Protocol Version 6 (TCP/IPv6)**, then click **Properties**.



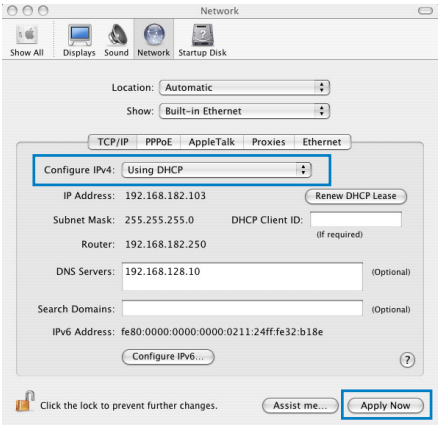
3. To obtain the IPv4 IP settings automatically, tick **Obtain an IP address automatically**.

   To obtain the IPv6 IP settings automatically, tick **Obtain an IPv6 address automatically**.
4. Click **OK** when done.


Internet Protocol Version 4 (TCP/IPv4) Properties
General
Alternate Configuration
You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.
Obtain an IP address automatically
Use the following IP address:
IP address:
Subnet mask:
Default gateway:
Obtain DNS server address automatically
Use the following DNS server addresses:
Preferred DNS server:
Alternate DNS server:
Validate settings upon exit
Advanced...
OK
Cancel

MAC OS

1. Click the Apple icon located on the top left of your screen.
2. Click **System Preferences** > **Network** > **Configure...**
3. From the **TCP/IP** tab, select **Using DHCP** in the **Configure IPv4** dropdown list.
4. Cllick **Apply Now** when done.

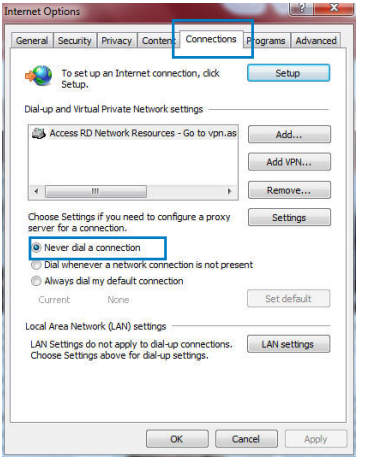


NOTE: Refer to your operating system's help and support feature for details on configuring your computer's TCP/IP settings.

Disable the dial-up connection, if enabled.

Windows® 7

1. Click **Start** > **Internet Explorer** to launch the browser.
2. Click **Tools** > **Internet options** > **Connections** tab.
3. Tick **Never dial a connection**.
4. Click **OK** when done.



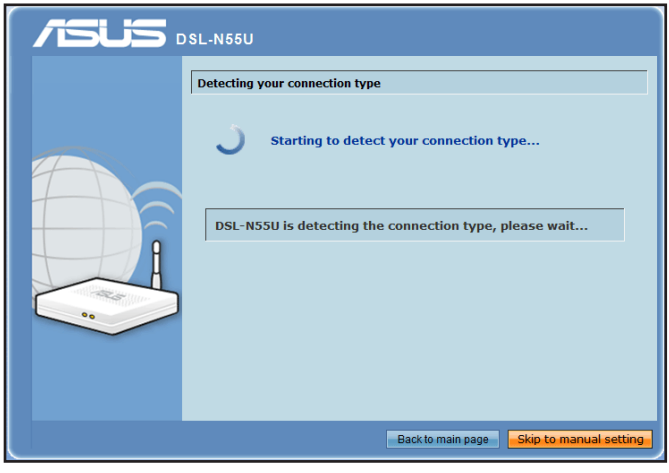
NOTE: Refer to your browser's help feature for details on disabling the dial-up connection.

Setting up your ADSL router

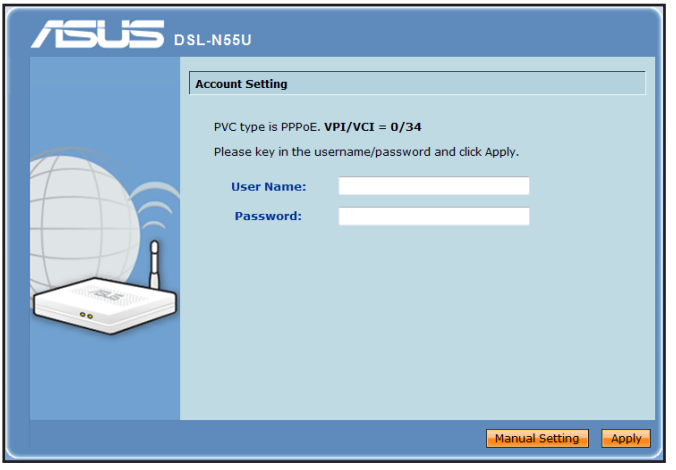
1. Before starting ADSL setting procedure, ensure that the ADSL indicator on DSL-N55U front panel becomes solid.

2. Launch your web browser. The QIS web page appears automatically and starts detecting your connection type, VPI/VCI value and encapsulation mode.

NOTE: If the QIS web page does not appear after you launched your web browser, disable the proxy settings on your web browser.


DSL-N55U
Detecting your connection type
Starting to detect your connection type...
DSL-N55U is detecting the connection type, please wait...
Back to main page
Skip to manual setting

3. Key in the user name and password. Click **Apply.**

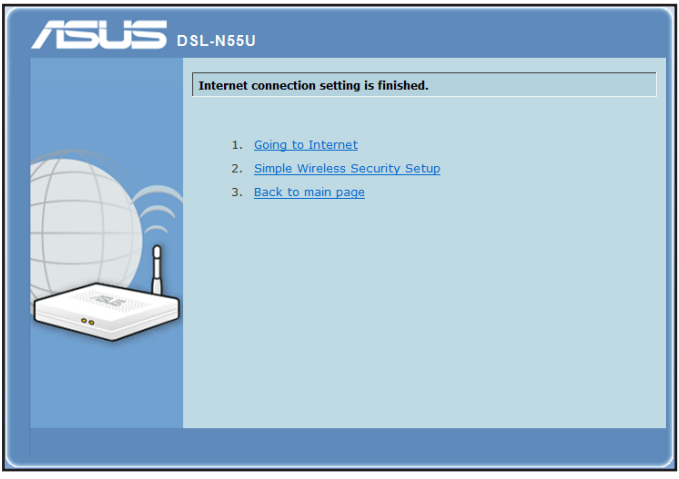


If the QIS cannot detect your Internet connection type, click **Manual Setting** and set up the Internet connection manually.

NOTES:

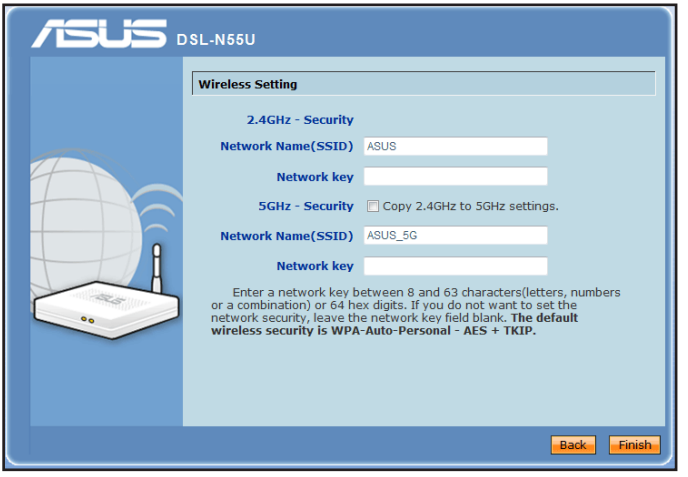
- The PPPoE Internet connection type is used in this setup case. The setup screen varies with different Internet connection types.
- Obtain the required information such as the user name and password from your Internet Service Provider (ISP).

4. The Internet connection setup is completed.


DSL-N55U
Internet connection setting is finished.
1. Going to Internet
2. Simple Wireless Security Setup
3. Back to main page

- Click **Going to Internet** to surf the Internet.
- Click **Simple Wireless Security Setup** to configure the basic security settings including the SSID, authentication, and encryption methods for the ADSL router. (Recommended)
- Click **Back to main page page** to go back to the main page of the web GUI.

5. Change your network name (recommended) and enter the password to set up your secure 2.4GHz and 5GHz wireless environments.


DSL-N55U
Wireless Setting
2.4GHz - Security
Network Name(SSID)
ASUS
Network key
5GHz - Security
Copy 2.4GHz to 5GHz settings.
Network Name(SSID)
ASUS_5G
Network key
Enter a network key between 8 and 63 characters(letters, numbers or a combination) or 64 hex digits. If you do not want to set the network security, leave the network key field blank. The default wireless security is WPA-Auto-Personal - AES + TKIP.
Back
Finish

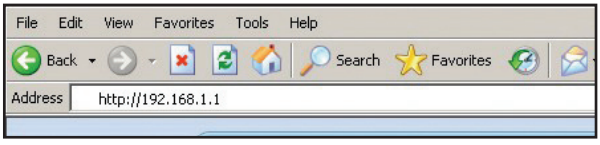
3 Configuring via the web GUI

Logging into the web GUI

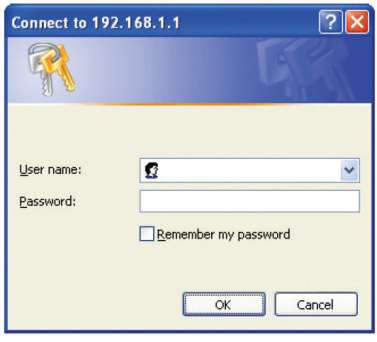
Your ASUS ADSL router comes with an intuitive web graphics user interface (GUI) that allows you to easily configure its various features through a web browser such as Internet Explorer, Firefox, Safari, or Google Chrome.

To log into the web GUI:

1. On your web browser such as Internet Explorer, Firefox, Safari, or Google Chrome, manually key in the ADSL router's default IP address: **192.168.1.1**



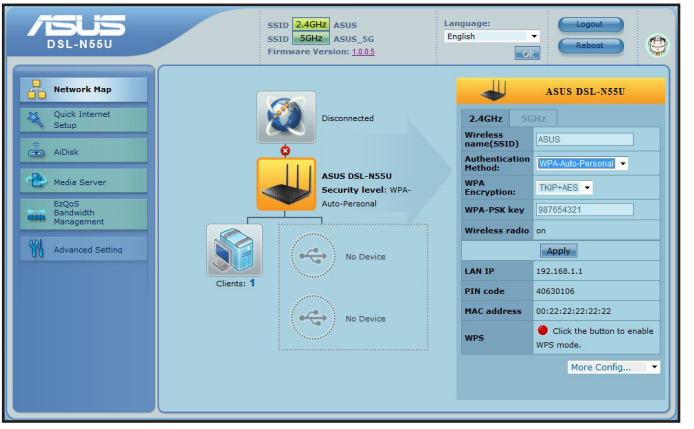
2. On the login page, key in the default user name (**admin**) and password (**admin**).



NOTES:

- For your network clients, ensure that you set the TCP/IP settings to obtain IP addresses automatically, disable the proxy server settings, disable the dial-up settings, and cancel the dial-up connection.
- For more details, refer to the section **Before you proceed** in this user manual.

3. The ADSL router's web GUI launches. Use the web GUI to configure various settings.



Using Wi-Fi Protected Setup (WPS)

WPS (Wi-Fi Protected Setup) allows you to set up a secure and protected wireless network easily

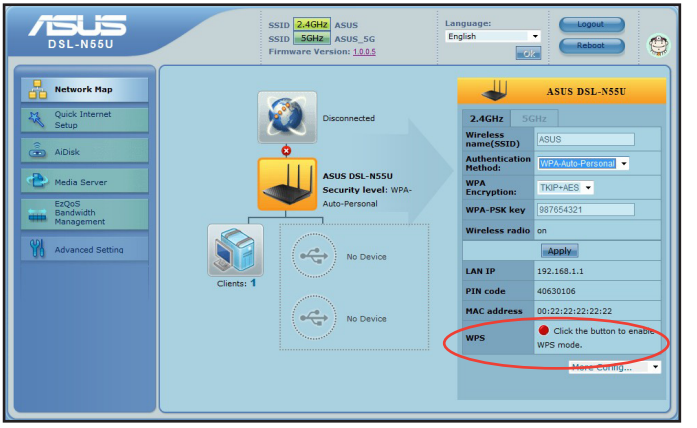
NOTES:

- Ensure that you use a wireless LAN adapter with WPS function on your network clients.
- Windows® operating systems and wireless LAN cards/ adapters that support WPS:

OS Support	Wireless Adapter Support
Windows Vista 32/64 Windows 7 32/64 Windows 2008	ASUS/Intel wireless LAN card (except WL-167g and WL-160W) ASUS WL-167g v2 driver v.3.0.6.0 or later ASUS WL-160N/WL-130N driver v.2.0.0.0 or later
Windows XP SP2/SP3 Windows 2003 32-bit SP2/SP3	ASUS/Intel wireless LAN card (WL-167g and WL-160W not supported) ASUS WL-167g v2 driver v.1.2.2.0 or later ASUS WL-160N/WL-130N driver v.1.0.4.0 or later
Windows XP/2003 64-bit Windows XP 32-bit SP1/ XP 32-bit Windows 2003 32-bit SP1 / 2003 32-bit Windows 2000 SP4	ASUS wireless LAN card with ASUS WLAN Utility ASUS WL-167g v2 driver v.1.2.2.0 or later ASUS WL-160N/WL-130N driver v.1.0.4.0 or later

To use WPS:

1. In the WPS field, click the red button to launch the WPS Push Button Configuration.



NOTE: You may also press the WPS button on your ADSL router to launch the WPS Push Button Configuration.

2. Follow the onscreen instructions to complete the wireless network setup.

IMPORTANT! Obtain the necessary information about your Internet connection type from your ISP.

Setting up the wireless security settings

To protect your wireless network from unauthorized access, you need to configure its security settings.

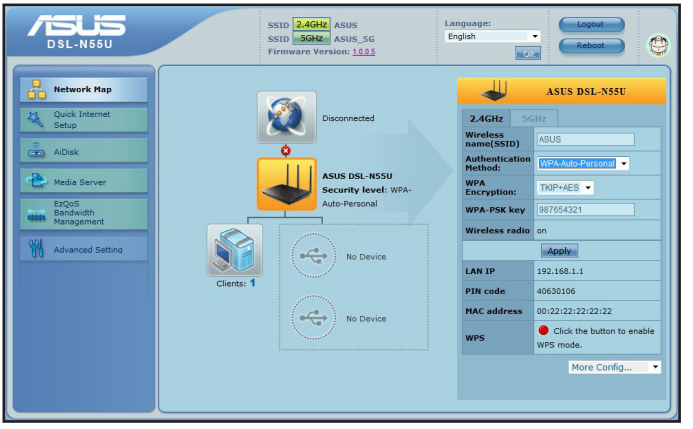
To set up the wireless security settings:

1. Key in **192.168.1.1** on your web browser.
2. On the login screen, key in the default user name (**admin**) and password (**admin**), then click **OK**. The ADSL router's web GUI launches.
3. On the Network Map screen, select the **System status** icon to display the wireless security settings such as SSID, security level, and encryption settings.

NOTE: You can set up different wireless security settings for 2.4GHz and 5GHz bands.

2.4GHz security settings

5GHz security settings



4. On the **Wireless name (SSID)** field, key in a unique name for your wireless network.
5. From the **Security Level** dropdown list, select the encryption method for your wireless network.

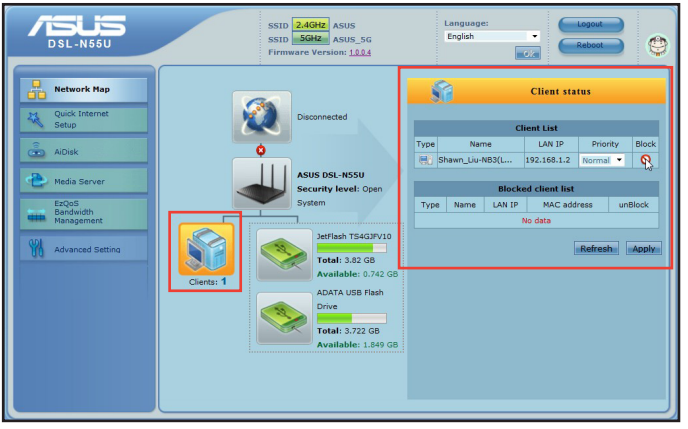
IMPORTANT! The IEEE 802.11n standard prohibits using High Throughput with WEP or WPA-TKIP as the unicast cipher. If you use these encryption methods, your data rate will drop to IEEE 802.11g 54Mbps connection.

6. Key in your security passkey.
7. Click **Apply** when done.

Managing your network clients

To manage your network clients:

1. Launch the ADSL router's web GUI.
2. On the Network Map screen, select the **Client Status** icon to display the information about your network clients.



3. In the Priority field under the Client List, you can set the priority packet for each client as **Normal**, **High**, or **Low**.

NOTE: You can also delete the priority settings from **Advanced Setting** > **WAN** > **QoS** tab.

4. To block a client's access to your network, select the client and click **block**.

NOTE: You can also delete the MAC filter from **Advanced Setting > Firewall > MAC Filter** tab.

Monitoring your USB device

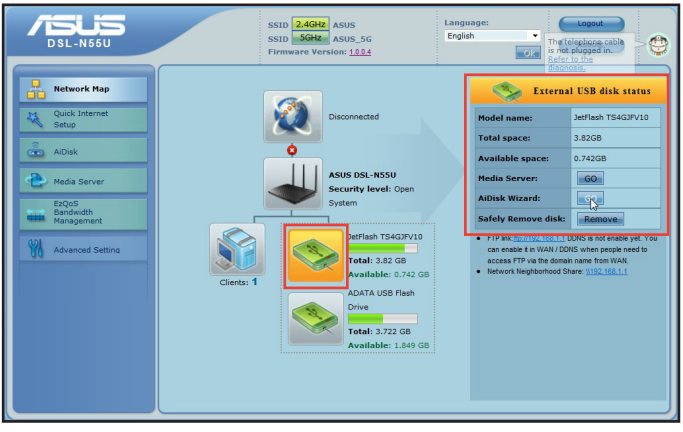
The ASUS ADSL router provides two USB 2.0 ports for connecting USB devices such as a USB storage device and USB printer, to allow you to monitor the working environment, share files, and printer with clients in your network.

NOTE: To use this feature, you need to plug a USB storage device, such as a USB hard disk or USB flash drive, to the USB 2.0 port on the rear panel of your ADSL router. Ensure that the USB storage device is formatted and partitioned properly. Refer to the Plug-n-Share Disk Support List at **http://event.asus.com/2009/networks/printersupport/dsl-n55u.htm**

IMPORTANT! You first need to create a user account to allow other network clients to access the USB device. For more details, refer to the section **Using AiDisk for an FTP server and Network Neighborhood setup** in this user manual.

To monitor your USB device:

1. Launch the ADSL router's web GUI.
2. On the Network Map screen, select the **USB Disk Status** icon to display the information about your USB device.



3. On the **Media Server** field, click **GO** to allow UPnP (Universal Plug and Play) devices such as PS3 to access the multimedia files in your USB disk.

NOTE: For more details, refer to the next section **Using your router as a UPnP Media Server** in this user manual.

4. On the **AiDisk Wizard** field, click **GO** to set up an FTP server for Internet file sharing.

NOTES:

- For more details, refer to the section Using AiDisk for an FTP Server and Network Neighborhood setup in this user manual.
- On USB External HDD/Flash disk:
  - The ADSL router works with most USB HDDs/Flash disks and supports read-write access for FAT16, FAT32, EXT2, EXT3, and NTFS.
  - To safely remove the USB disk, launch the web GUI (**http://192.168.1.1**), then in the **Network Map** page > **External USB disk status** > **Safely Remove disk** field, click **Remove**.
- Incorrect removal of the USB disk may cause data corruption.

Using AiDisk for an FTP server and Network Neighborhood setup

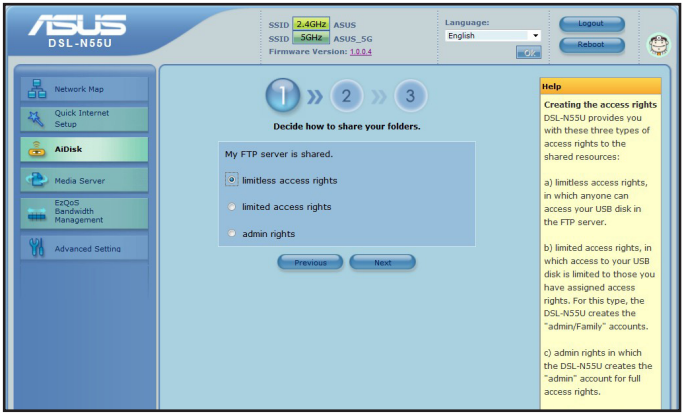
AiDisk allows you to set up an FTP server and share the content of a USB disk to the clients in your network.

NOTE: Before using AiDisk, ensure that you have inserted a USB disk into the USB port of your ADSL router.

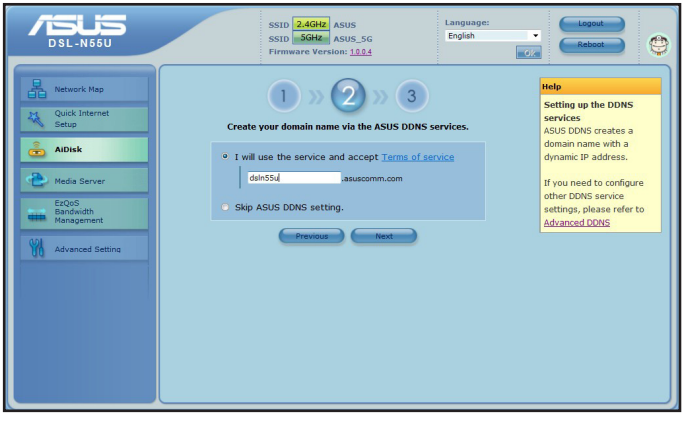
To use AiDisk:

1. Click **AiDisk** from the navigation menu at the left side of your screen.
2. From the Welcome to AiDisk wizard screen, click **GO**.

3. Select the access rights that you want to assign to the clients accessing your shared data.


DSL-N55U
SSID 2.4GHz ASUS
SSID 5GHz ASUS_5G
Firmware Version: 1.0.0.4
Language: English
Logout
Reboot
Network Map
Quick Internet Setup
AiDisk
Media Server
EzQoS Bandwidth Management
Advanced Setting
1 2 3
Decide how to share your folders.
My FTP server is shared.
limitless access rights
limited access rights
admin rights
Previous
Next
Help
Creating the access rights
DSL-N55U provides you with these three types of access rights to the shared resources:
a) limitless access rights, in which anyone can access your USB disk in the FTP server.
b) limited access rights, in which access to your USB disk is limited to those you have assigned access rights. For this type, the DSL-N55U creates the "admin/Family" accounts.
c) admin rights in which the DSL-N55U creates the "admin" account for full access rights.

4. To create your own domain for your FTP site via the ASUS DDNS services, select **I will use the service and accept the Terms of service** and key in your domain name.
5. Click **Next** to finish the setup.



6. When done, click **Finish**.
7. To access the FTP site that you created, launch a web browser or a third-party FTP client utility and key in the ftp link (ftp://<domain name>) you have previously created.

Using your router as a UPnP Media Server

Your ADSL router allows UPnP (Universal Plug and Play) multimedia devices, such as PS3 and XBox 360, to access multimedia files from the USB disk connected to your ADSL router.

NOTE: Before using the UPnP Media Server function, install a wireless adapter on your UPnP device.

To use your router as a UPnP Server:

1. Click **Media Server** from the navigation menu at the left side of your screen.
2. Select **Enabled**. Your ADSL router is now ready to share the media files stored in the USB disk.

NOTE: For details on connecting a UPnP device to the ADSL router and accessing the media files on the USB disk, refer to the UPnP device's user manual.

IMPORTANT! For details on sharing files/contents from a USB disk, refer to the section Sharing files from a **USB storage device** on this user manual.

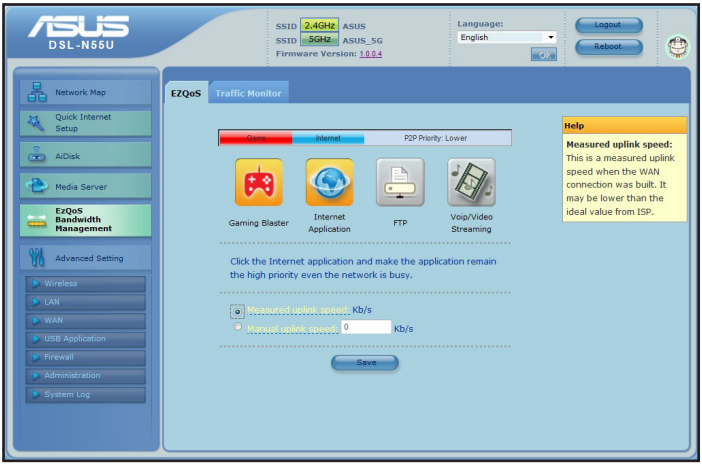
Managing EZQoS Bandwidth

EzQoS Bandwidth Management allows you to set the bandwidth priority and manage the network traffic.

Setting up the bandwidth priority

To set up the bandwidth priority:

1. Click **EzQoS Bandwidth Management** from the navigation menu at the left side of your screen.



NOTE: Manually key in the uplink speed to prevent the router from detecting the wrong uplink speed from an unstable network.

2. Click each of these four applications to set the bandwidth priority:

Icon	Description
	Gaming Blaster The router handles gaming traffic at first priority.
	Internet Application The router handles the e-mail, web browsing and other Internet applications traffic at first priority.
	AiDisk The router handles at first priority the traffic of downloading/ uploading data to/from the FTP server.
	Voip/Video Streaming The router handles the audio/video traffic at first priority.

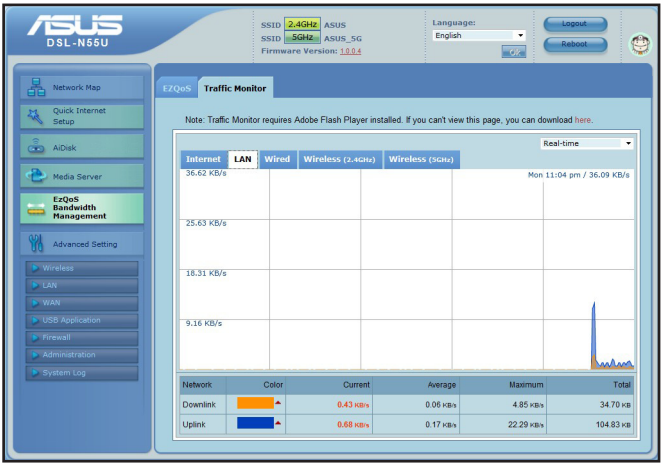
3. Click **Save** to save the configuration settings.

Monitoring the network traffic

The Traffic Monitor page allows you to assess the bandwidth usage and speed of your Internet, LAN, Wired, WLAN (2.4GHz or 5GHz) connections.

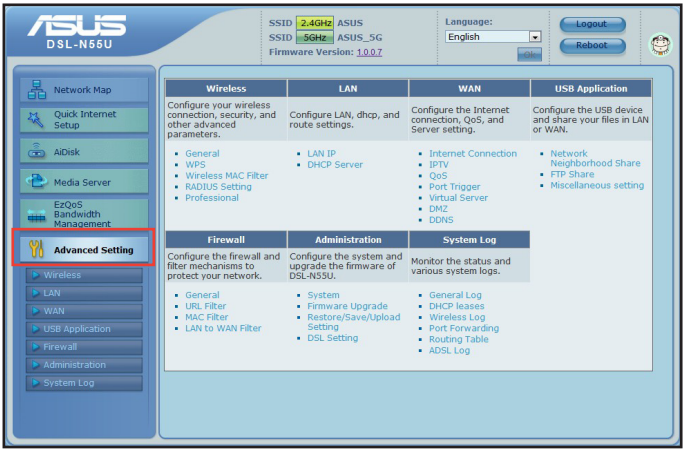
To monitor the network traffic:

1. Click **EzQoS Bandwidth Management** > **Traffic Monitor** tab..
2. Select from any of these services/network types that you want to monitor: **Internet**, **LAN**, **Wired**, **Wireless (2.4GHz)**, and **Wireless (5GHz)**.
3. From the dropdown list, select **Real-time** as the monitoring type.



Configuring the Advanced settings

Advanced Setting allows you to configure the advanced features of your ADSL router.



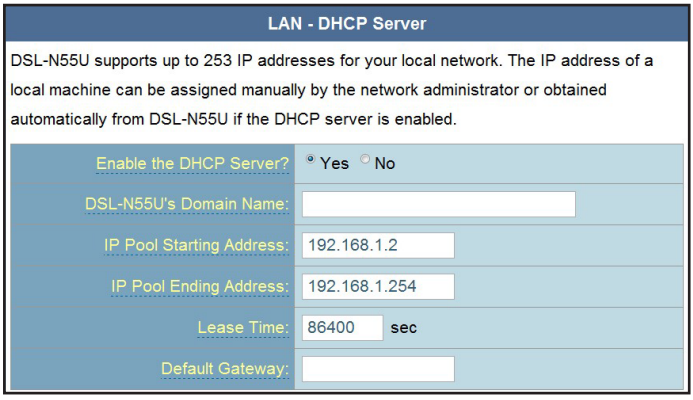
Setting up the DHCP Server

You may enable the DHCP Server function in your ADSL router so your network clients can automatically obtain IP addresses from your ADSL router.

NOTE: The ASUS ADSL router can support up to 253 IP addresses for your network.

To set up the DHCP server:

1. Click **Advanced Setting** from the navigation menu at the left side of your screen.
2. Under the **LAN** menu, click **DHCP Server.**


LAN - DHCP Server
DSL-N55U supports up to 253 IP addresses for your local network. The IP address of a local machine can be assigned manually by the network administrator or obtained automatically from DSL-N55U if the DHCP server is enabled.
Enable the DHCP Server?
Yes
No
DSL-N55U's Domain Name:
IP Pool Starting Address:
192.168.1.2
IP Pool Ending Address:
192.168.1.254
Lease Time:
86400
sec
Default Gateway:

3. In the **Enable the DHCP Server?** field, tick **Yes**.
4. In the **IP Pool Starting Address** field, key in the starting IP address.
5. In the **IP Pool Ending Address** field, key in the ending IP address.
6. In the **Lease Time** field, key in the time that the IP addresses expire and the ADSL router automatically assigns new IP Addresses for the network clients.

IMPORTANT!

- For the IP Pool Starting and Ending IP addresses, we recommend that you use:
  - **IP address:** 192.168.1.xxx (xxx can be any number between 2 and 254)
- IP Pool Starting Address should not be greater than the IP Pool Ending Address.

Upgrading the firmware

NOTE: Download the latest firmware from the ASUS website at **http://www.asus.com**

To upgrade the firmware:

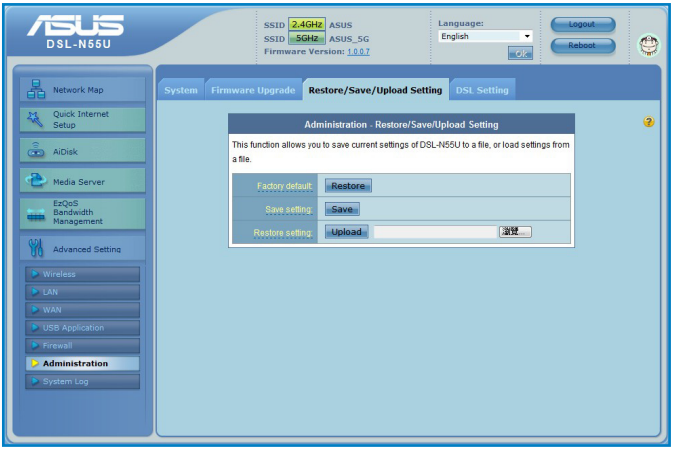
1. Click **Advanced Setting** from the navigation menu at the left side of your screen.
2. Under the **Administration** menu, click **Firmware Upgrade**.
3. In the **New Firmware File** field, click **Browse** to locate the new firmware on your computer.
4. Click **Upload**. The uploading process takes about three minutes.

NOTE: If the upgrade process fails, the ADSL router automatically enters the rescue mode and the power LED indicator at the front panel flashes slowly. To recover or restore the system, use the Firmware Restoration utility.

Restoring/Saving/Uploading settings

To restore/save/upload the settings:

1. Click **Advanced Setting** from the navigation menu at the left side of your screen.



2. Under the Administration menu, click **Restore/Save/Upload Setting**.
3. Select the tasks that you want to do:
   - To restore to the default factory settings, click **Restore**, and click **OK** in the confirmation message.
   - To save the current system settings, click **Save**, and click **Save** in the file download window to save the system file in your preferred path.
   - To restore previous system settings, click **Browse** to locate the system file that you want to restore, then click **Upload**.

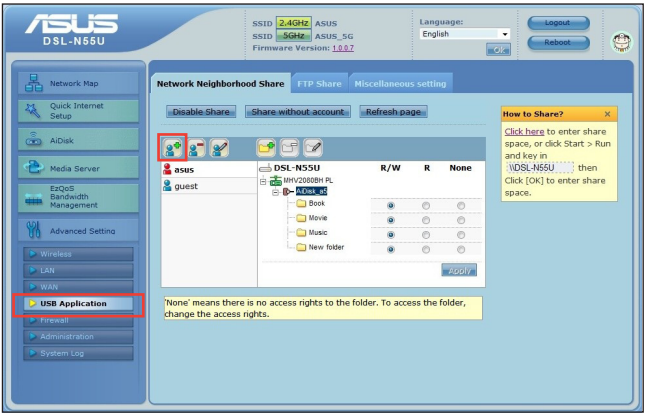
Sharing files from a USB storage device

Creating a user account

You need to create user accounts before you can share the files or data in the USB storage device.

To create a user account:

1. Click **Advanced Setting** > **USB Application** from the navigation menu at the left side of your screen.



2. Click **Share with account**, and click **OK** to enable the sharing feature.
3. Click the Add account icon .
4. In the **Account** and **Password** fields, key in the name and password of the client/computer in your network. Retype the password to confirm. Click **Add** to add the account to the list.

Assigning access rights

To assign access rights:

1. Click **Advanced Setting** > **USB Application** from the navigation menu at the left side of your screen.
2. Select the account that you want to assign access rights to.

3. From the list of file folders, select the type of access rights that you want to assign for specific file folders:
   - **R/W**: Select this option to assign read/write access for a specific file folder.
   - **R**: Select this option to assign read only access for a specific file folder.
   - **None**: Select this option if you do not want to share a specific file folder.
4. Click **Apply** to apply the changes.
5. From the **Miscellaneous setting** tab, set the Work Group to **WORKGROUP** to enable all computers within **WORKGROUP** to access the ADSL router's USB storage device.
6. Launch **My Network Place** from a computer connected to the ADSL router. Click **view work group computers** to view the ADSL router in the Workgroup category. All files on the USB storage device are now shared to computers in your network.

Sharing files via the FTP server

The ASUS ADSL router enables you to share files from your USB storage device via the FTP server with computers in LAN or through the Internet.

IMPORTANT! To use this feature, you need to insert a USB storage device, such as a USB hard disk or USB flash drive, to the USB2.0 port on the rear panel of your ADSL router. Ensure that the USB storage device is formatted and partitioned properly. Refer to the ASUS website at **http://www.asus com** for the HD file system support table.

NOTE: Ensure that you safely remove the USB disk. Incorrect removal of the USB disk may cause data corruption.

To share files via the FTP server:

1. Ensure that you have set up your FTP server through AiDisk.

NOTE: For more details, refer to the section **Using AiDisk for an FTP Server and Network Neighborhood setup** in this user manual.

2. Enable the DDNS service for FTP server access. To do this, follow these steps:
   a. From the navigation menu, click **Advanced** > **WAN** > **DDNS** tab.
   b. In the **Enable the DDNS Client?** field, tick **Yes**.
   c. Key in your **User Name or E-mail Address** and **Password or DDNS key**.
   d. Key in your **Host name**. The format should be **xxx.asuscomm.com**, where xxx is your host name.
   e. When done, click **Apply**.
3. From the navigation menu, click **Advanced Setting** > **USB Application** > **FTP Share** tab and select the account that you want to assign access rights to.
4. From the list of files/folders, select the type of access rights that you want to assign for specific files/folders:
   - **R/W**: Select this option to assign read/write access for a specific file/folder.
   - **W**: Select this option to assign write only access for a specific file/folder.
   - **R**: Select this option to assign read only access for a specific file/folder.
   - **None**: Select this option if you do not want to share a specific file/folder.
5. Click **Apply** to apply the changes.
6. To access the FTP server, key in the ftp link **ftp://<hostname>.asuscomm.com** and your user name and password on a web browser or a third-party FTP utility.

Setting up your network printer

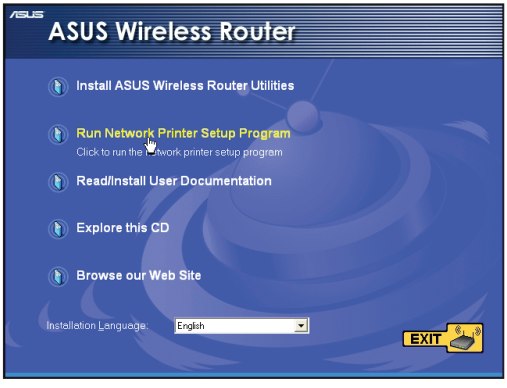
Use the Network Printer Setup utility to set up a USB printer on your ADSL router and allow network clients to access the USB printer.

NOTES:

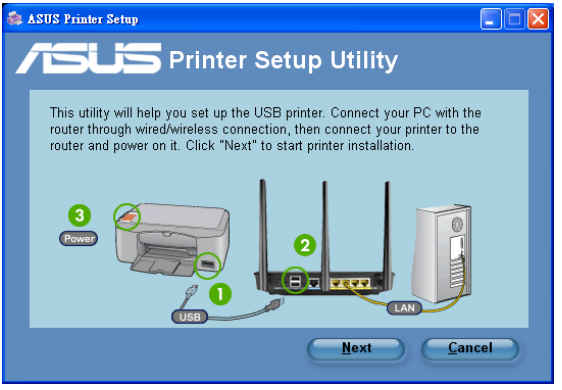
- To check if your USB printer is compatible with your ASUS ADSL router, refer to the Plug-n-Share Disk Support List at **http://event.asus.com/2009/networks/printersupport/dsl-n55u.htm**
- The ADSL router's printer server function is not supported on Windows® 2000.

To set up your USB Printer:

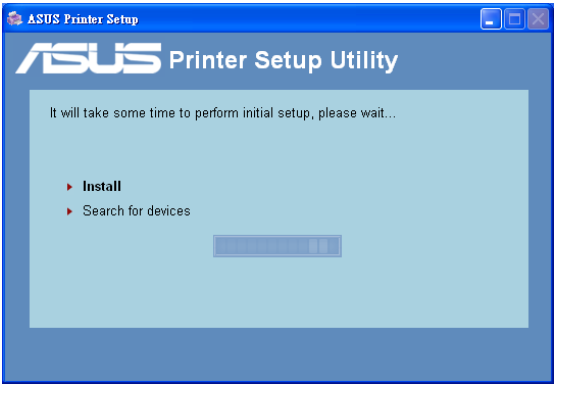
1. Run the ASUS Wireless Utilities from the support CD, then click **Run Network Printer Setup Program**.



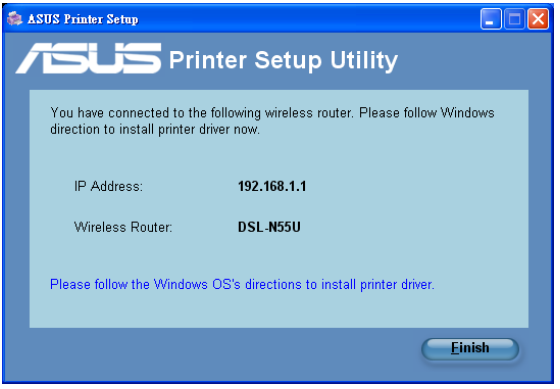
2. Follow the onscreen instructions to set up your hardware, then click **Next**.


ASUS Printer Setup
Printer Setup Utility
This utility will help you set up the USB printer. Connect your PC with the router through wired/wireless connection, then connect your printer to the router and power on it. Click "Next" to start printer installation.
3
Power
2
1
USB
LAN
Next
Cancel

3. Wait for a few minutes for the initial setup to finish. Click **Next**.


ASUS Printer Setup
Printer Setup Utility
It will take some time to perform initial setup, please wait...
Install
Search for devices

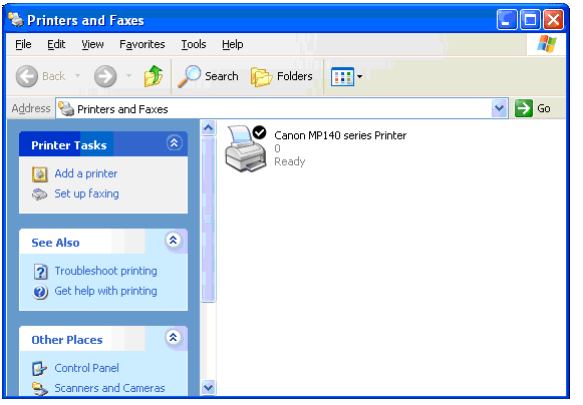
4. Click **Finish** to complete the installation.


ASUS Printer Setup
Printer Setup Utility
You have connected to the following wireless router. Please follow Windows direction to install printer driver now.
IP Address:
192.168.1.1
Wireless Router:
DSL-N55U
Please follow the Windows OS's directions to install printer driver.
Finish

5. Follow the Windows® OS instructions to install the printer driver.

Found New Hardware Wizard
Welcome to the Found New Hardware Wizard
Windows will search for current and updated software by looking on your computer, on the hardware installation CD, or on the Windows Update Web site (with your permission).
Read our privacy policy
Can Windows connect to Windows Update to search for software?
Yes, this time only
Yes, now and every time I connect a device
No, not this time
Click Next to continue.
< Back
Next >
Cancel

6. After the printer's driver installation is completed, network clients can now use the printer.



4 Using the utilities

NOTES:

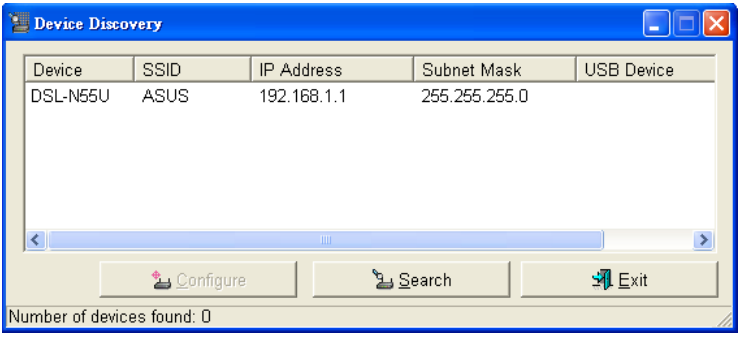
- Install the ADSL router's utilities from the bundled support CD.
- If Autorun is disabled, run **setup.exe** from the root directory of the support CD.

Device Discovery

Device Discovery is an ASUS WLAN utility that detects an ASUS ADSL router device, and enables you to configure the device.

To launch the Device Discovery utility:

- From your computer's desktop, click **Start** > **All Programs** > **ASUS Utility** > **DSL-N55U ADSL Router** > **Device Discovery**.



- Click **Configure** to access the web GUI and configure the ADSL router.
- Click **Search** to search for ASUS wireless routers within range.
- Click **Exit** to exit the application.

Firmware Restoration

Firmware Restoration is used on an ASUS ADSL router that failed during its firmware upgrading process. It uploads the firmware that you specify. The process takes about three to four minutes.

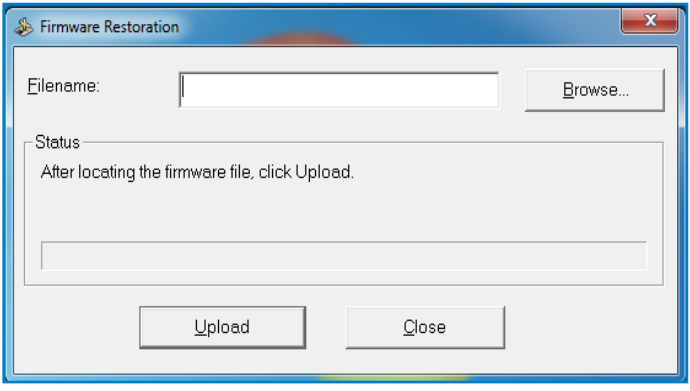
IMPORTANT: Launch the rescue mode before using the Firmware Restoration utility.

To launch the rescue mode and use the Firmware Restoration utility:

1. Unplug the ADSL router from the power source.
2. Hold the Reset button at the rear panel and simultaneously re-plug the ADSL router into the power source. Release the Reset button when the Power LED at the front panel flashes slowly, which indicates that the ADSL router is in the rescue mode.
3. Use the following to set up your TCP/IP settings:

   IP address: 192.168.1.x

   Subnet mask: 255.255.255.0
4. From your computer's desktop, click **Start** > **All Programs** > **ASUS Utility** > **DSL-N55U ADSL router** > **Firmware Restoration**.



5. Specify a firmware file, then click **Upload**.

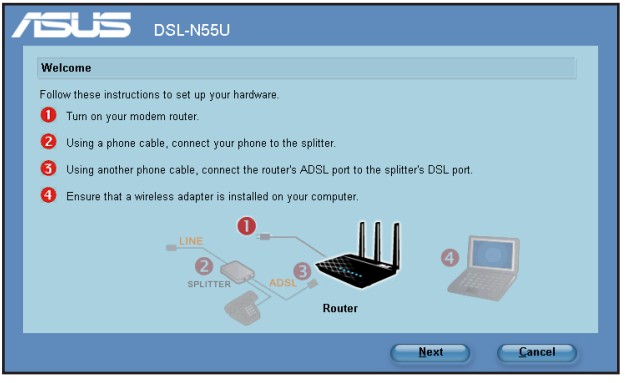
NOTE: This is not a firmware upgrade utility and cannot be used on a working ASUS ADSL router. Normal firmware upgrades must be done through the web interface. Refer to **Chapter 3: Configuring via the web GUI** for more details.

ADSL Setting Wizard

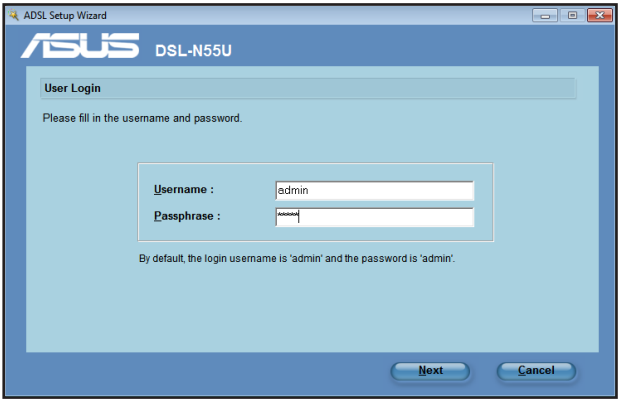
ADSL Setting Wizard helps you to set up your ADSL settings and establish a secure wireless network.

To use the ADSL Setup Wizard:

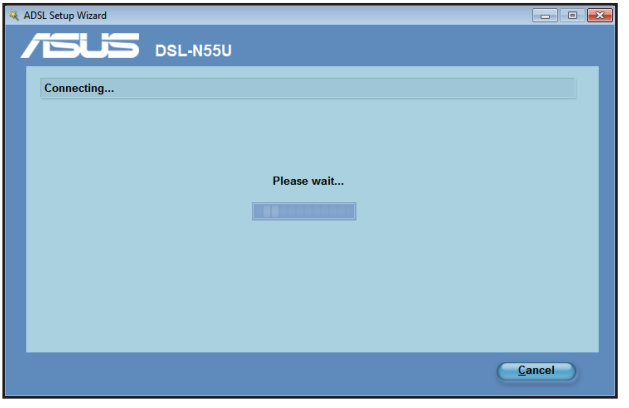
1. From your computer's desktop, click **Start** > **All Programs** > **ASUS Utility** > **DSL-N55U ADSL router** > **ADSL Setting Wizard**.
2. Follow the onscreen instructions to set up your hardware. When done, click **Next**.


DSL-N55U
Welcome
Follow these instructions to set up your hardware.
1 Turn on your modem router.
2 Using a phone cable, connect your phone to the splitter.
3 Using another phone cable, connect the router's ADSL port to the splitter's DSL port.
4 Ensure that a wireless adapter is installed on your computer.
LINE
SPLITTER
ADSL
Router
Next
Cancel

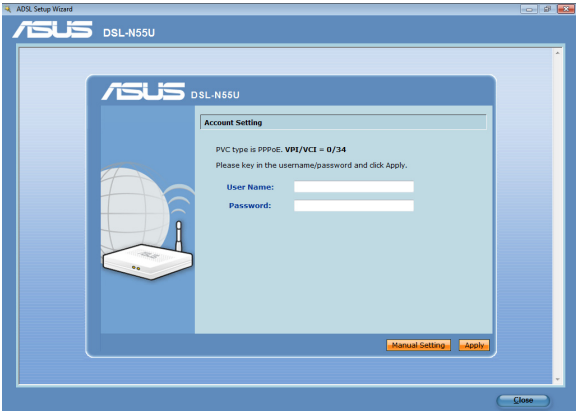
3. Key in the ADSL router's default user name **admin** and password **admin**, then click **Next**.



4. Wait for a few minutes until your ADSL router finishes detecting your Internet connection type.



5. Key in the user name and password for your Internet connection type. Click **Apply**.

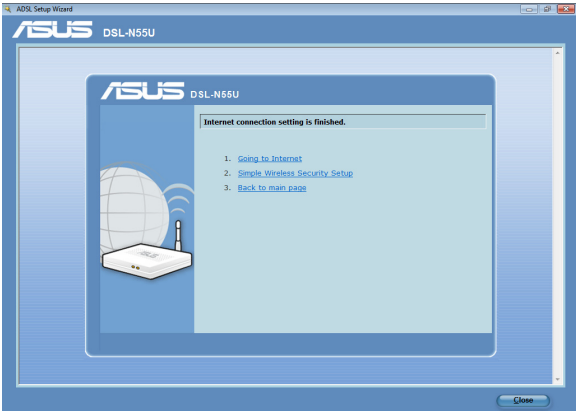


If the QIS cannot detect your Internet connection type, click **Manual Setting** and set up the Internet connection manually.

NOTES:

- The PPPoE Internet connection type is used in this setup case. The setup screen varies with different Internet connection types.
- Obtain the required information such as the user name and password from your Internet Service Provider (ISP).

6. The Internet connection setup is completed.



- Click **Going to Internet** to surf the Internet.
- Click **Simple Wireless Security Setup** to configure the basic security settings including the SSID, authentication, and encryption methods for the ADSL router. (Recommended)
- Click **Back to main page page** to go back to the main page of the web GUI.

5 Troubleshooting

NOTE: If you encounter problems that are not mentioned in this chapter, contact the ASUS Technical Support.

Troubleshooting

I cannot access a web browser for configuring the router.

- Delete the cookies and files in your web browser. To do this, follow these steps:
  1. Launch your web browser, then click **Tools** > **Internet Options...**
  2. Under **Temporary Internet files**, click **Delete Cookies...** and **Delete Files...**

NOTE: The commands for deleting cookies and files vary with the web browser.

- Disable the proxy server settings, cancel the dial-up connection, and set the TCP/IP settings to obtain IP addresses automatically. For more details, refer to the section **Before you proceed** in this user manual.

The client cannot establish a wireless connection with the router.

Out of Range:

- Put the router closer to the wireless client.
- Try to change the channel settings.

Authentication:

- Use wired connection to connect to the router.
- Check the wireless security settings.
- Press the Reset button at the rear panel for more than five seconds.

Cannot find the router:

- Press the Reset button at the rear panel for more than five seconds.
- Check the setting in the wireless adapter such as SSID and encryption settings.
- Check if the wireless indicator on the front panel is off. Turn the wireless switch at the rear panel on/off.

Cannot access the Internet via wireless LAN adapter.

- Move the router closer to the wireless client.
- Check whether the wireless adapter is connected to the correct ADSL router.
- Check whether the wireless channel in use conforms to the channels available in your country/area.
- Check the encryption settings.
- Retry using another Ethernet cable.

Internet is not accessible.

- Check the status indicators on the ADSL modem and the ADSL router.
- Check if the WAN LED on the ADSL router is ON. If the LED is not ON, change the cable and try again.
- Check if the wireless indicator on the front panel is off. Turn the wireless switch at the rear panel on/off.

When ADSL Modem "Link" light is ON (not blinking), this means Internet Access is possible.

- Restart your computer.
- Refer to the Quick Start Guide of the ADSL router and re-configure the settings.
- Check if the WAN LED on the ADSL router is ON.
- Check the wireless encryption settings.
- Check if the computer can get the IP address (via both wired network and wireless network).
- Ensure that your web browser is configured to use the local LAN, and is not configured to use a proxy server.

If the ADSL "LINK" light blinks continuously or stays off, Internet access is not possible - the Router is unable to establish a connection with the ADSL network.

- Ensure that all your cables are all properly connected .
- Disconnect the power cord from the ADSL or cable modem, wait a few minutes, then reconnect the cord.
- If the ADSL light continues to blink or stays OFF, contact your ADSL service provider.

Network name or encryption keys are forgotten.

- Try setting up the wired connection and configuring the wireless encryption again.
- Press the Reset button at the rear panel of the ADSL router for more than five seconds.

How to restore the system to its default settings?

- Press the Reset button at the rear panel of the ADSL router for more than five seconds.
- Refer to the section **Restoring/Saving/Uploading settings** in Chapter 3 of this user manual.

The following are the factory default settings:

User Name:	admin
Password:	admin
Enable DHCP:	Yes (if WAN cable is plugged in)
IP address:	192.168.1.1
Domain Name:	(Blank)
Subnet Mask:	255.255.255.0
DNS Server 1:	192.168.1.1
DNS Server 2:	(Blank)
SSID (2.4GHz):	ASUS
SSID (5GHz):	ASUS_5G

ASUS DDNS Service

DSL-N55U supports the ASUS DDNS service. When exchanging devices at the service center, if you have registered the ASUS DDNS service and want to keep the original domain name, data transfer is a must. Visit your local service center for more information.

NOTES:

- If there is no activity in the domain - such as reconfiguring the router or accessing the registered domain name - within 90 days, the system automatically deletes the registered information.
- If you encounter any problem or difficulty in using your device, contact the service center.

Frequently Asked Questions (FAQs)

1. **Will the registered information be lost or registered by others?**

   If you have not updated the registered information in 90 days, the system automatically deletes the registered information and the domain name may be registered by others.

2. **I did not register the ASUS DDNS for the router I bought six months ago. Can I still register it?**

   Yes, you can still register the ASUS DDNS service for your router. The DDNS service is embedded in your router, so you can register the ASUS DDNS service anytime. Before registering, click **Query** to check if the hostname has been registered or not. If not, the system registers the hostname automatically.

3. I have registered a domain name before and it has been working well until my friends told me that they could not access my domain name.

Check the following:

1. The internet is working well.
2. The DNS server is working well.
3. The last time you updated the domain name.

If there are still problems in accessing your domain name, contact the service center.

4. Can I register two domain names to separately access my http and ftp servers?

No, you cannot. You can only register one domain name for one router. Use port mapping to implement security in the network.

5. After restarting the router, why is it that I see different WAN IPs in MS DOS and in the router configuration page?

This is normal. The interval time between the ISP DNS server and ASUS DDNS results in different WAN IPs in MS DOS and in the router configuration page. Different ISPs may have different interval time for IP updating.

6. Is the ASUS DDNS service free, or is it just a trial version?

The ASUS DDNS service is a free and embedded service in some ASUS routers. Check your ASUS router if it supports the ASUS DDNS service.

Appendices

Notices

ASUS Recycling/Takeback Services

ASUS recycling and takeback programs come from our commitment to the highest standards for protecting our environment. We believe in providing solutions for you to be able to responsibly recycle our products, batteries, other components, as well as the packaging materials. Please go to http://csr.asus.com/english/Takeback.htm for the detailed recycling information in different regions.

REACH

Complying with the REACH (Registration, Evaluation, Authorisation, and Restriction of Chemicals) regulatory framework, we published the chemical substances in our products at ASUS REACH website at

http://csr.asus.com/english/index.aspx

Prohibition of Co-location

This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter

Declaration of Conformity for R&TTE directive 1999/5/EC

Essential requirements – Article 3

Protection requirements for health and safety – Article 3.1a

Testing for electric safety according to EN 60950-1 has been conducted. These are considered relevant and sufficient.

Protection requirements for electromagnetic compatibility – Article 3.1b

Testing for electromagnetic compatibility according to EN 301 489-1 and EN 301 489-17 has been conducted. These are considered relevant and sufficient.

Effective use of the radio spectrum – Article 3.2

Testing for radio test suites according to EN 300 328- 2 has been conducted. These are considered relevant and sufficient.

CE Mark Warning

This is a Class B product, in a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.

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Telephone (System/Notebook/Eee/LCD)	+491805010920*
Fax	+492102959911
Online support	support.asus.com

* EUR 0.14/minute from a German fixed landline; EUR 0.42/minute from a mobile phone.

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Area	Hotline Number	Support Languages	Working Hour	Working Day
Australia	1300-2787-88	English	9:00-18:00	Mon. to Fri.
Austria	0043-820240513	German	9:00-18:00	Mon. to Fri.
Belgium	0032-78150231	Dutch /French	9:00-17:00	Mon. to Fri.
China	800-820-6655; 021-34074610	Simplified Chinese	9:00-18:00	Mon. to Sun.
Denmark	0045-3832-2943	Denish/English	9:00-17:00	Mon. to Fri.
Finland	00358-9693-7969	Finnish/English/ Swedish	10:00-18:00	Mon. to Fri.
France	0033-170949400	France	9:00-17:45	Mon. to Fri.
Greece	00800-44-14-20-44	Greek	9:00-13:00; 14:00-18:00	Mon. to Fri.
Hong Kong	3582-4770	Cantonese/ Chinese/ English	10:00-20:00 10:00-17:00	Mon. to Fri. Sat.
Ireland	0035-31890719918	English	9:00-17:00	Mon. to Fri.
Japan	0800-123-2787	Japanese	9:00-18:00 9:00-17:00	Mon. to Fri. Sat. to Sun.
Malaysia	+603 2148 0827 (Check Repair Detail Status Only) +603-6279-5077	Bahasa Melayu/ English	10:00-19:00	Mon. to Fri.
Netherlands / Luxembourg	0031-591-570290	Dutch / English	9:00-17:00	Mon. to Fri.
New Zealand	0800-278-788 / 0800-278-778	English	9:00-17:00	Mon. to Fri.
Norway	0047-2316-2682	Norwegian /English	9:00-17:00	Mon. to Fri.
Philippine	+632-636 8504; 180014410573	English	9:00-18:00	Mon. to Fri.
Poland	00225-718-033 00225-718-040	Polish	9:00-17:00 8:30-17:30	Mon. to Fri.
Portugal	707-500-310	Portuguese	9:00-17:00	Mon. to Fri.

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Russia	+8-800-100-ASUS; +7-495-231-1999	Russian/ English	9:00-18:00	Mon. to Fri.
Singapore	+65-6720-3835 (Check Repair Detail Status Only) -66221701	English	11:00-19:00	Mon. to Fri.
Slovak	00421-232-162-621	Czech	8:00-17:00	Mon. to Fri.
Spain	902-88-96-88	Spanish	9:00-18:00	Mon. to Fri.
Sweden	0046-8587-6940	Swedish/ English	9:00-17:00	Mon. to Fri.
Switzerland	0041-848111010	German/French	9:00-18:00	Mon. to Fri.
	0041-848111014	French	9:00-17:45	Mon. to Fri.
	0041-848111012	Italian	9:00-17:00	Mon. to Fri.
Taiwan	0800-093-456; 02-81439000	Traditional Chinese	9:00-12:00; 13:30-18:00	Mon. to Fri.
Thailand	+662-679-8367 -70; 001 800 852 5201	Thai/English	9:00-18:00	Mon. to Fri.
Turkey	+90-216-524-3000	Turkish	09:00-18:00	Mon. to Fri
United Kingdom	0044-870-1208340; 0035-31890719918	English	9:00-17:00	Mon. to Fri.
USA/Canada	1-812-282-2787	English	8:30-12:00am EST (5:30am-9:00pm PST) 9:00am-6:00pm EST (6:00am-3:00pm PST)	Mon. to Fri. Sat. to Sun.

NOTE: For more information, visit the ASUS support site at: **http://support.asus.com**

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